

CONFIDENTIAL  
DO NOT FURTHER DISTRIBUTE

~~On page 7, line 1, please replace "Figure 7" with --Figures 7A-7I--.~~

~~On page 7, line 2, please replace "Figure 7" with --Figures 7A-7I--.~~

~~On page 7, line 17, please replace "Figure 8" with --Figures 8A-8I--.~~

~~On page 7, line 20, please replace "Figure 8" with --Figures 8A-8I--.~~

~~On page 7, line 21, please replace "Figure 8" with --Figures 8A-8I--.~~

~~On page 8, line 8, please replace "Figure 9" with --Figures 9A-9I--.~~

~~On page 8, line 10, please replace "Figure 9" with --Figures 9A-9I--.~~

~~On page 8, line 12, please replace "Figure 9" with --Figures 9A-9I--.~~

~~On page 8, line 26, please replace "Figure 2" with --Figures 2A-2H--.~~

~~Please indent page 8, line 27.~~

~~On page 9, line 1, please replace "Figure 7" with --Figures 7A-7I--.~~

~~On page 9, line 5, please replace "Figure 8" with --Figures 8A-8I--.~~

~~On page 9, line 8, please replace "Figure 9" with --Figures 9A-9I--.~~

~~On page 9, line 24, please replace "Figure 2" with --Figures 2A-2H--.~~

~~On page 9, line 27, please replace "Figure 7" with --Figures 7A-7I--.~~

~~On page 10, line 1, please replace "Figure 8" with --Figures 8A-8I--.~~

~~On page 10, line 5, please replace "Figure 9" with --Figures 9A-9I--.~~

~~On page 11, line 9, please replace "at" with --that--.~~

~~On page 12, line 5, please replace "Figure 2" with --Figures 2A-2H--.~~

~~On page 12, line 8, please replace "Figure 7" with --Figures 7A-7I--.~~

~~On page 12, line 12, please replace "Figure 8" with --Figures 8A-8I--.~~

~~On page 12, line 16, please replace "Figure 9" with --Figures 9A-9I--.~~

~~On page 12, line 20, please delete "each".~~

~~On page 13, line 18, please replace "Figure 2" with --Figures 2A-2H--.~~

~~On page 13, line 26, please replace "Figure 7" with --Figures 7A-7I--.~~

~~On page 14, line 4, please replace "Figure 8" with --Figures 8A-8I--.~~

~~On page 14, line 12, please replace "Figure 9" with --Figures 9A-9I--.~~

~~On page 14, line 19, please delete the comma after "human".~~

~~On page 15, line 15, please replace "Figure 2" with --Figures 2A-2H--.~~

~~On page 15, line 23, please replace "Figure 7" with --Figures 7A-7I--.~~

~~On page 16, line 1, please replace "Figure 8" with --Figures 8A-8I--.~~

On page 16, line 11, please replace "Figure 9" with --Figures 9A-9I--.

On page 16, line 18, please insert a comma after "agonists".

On page 16, line 22, please replace "known or unknown" with --recognized or unrecognized--.

On page 17, line 17, please replace "Figure 2" with --Figures 2A-2H--.

On page 17, line 24, please replace "Figure 4" with --Figures 4A-4C--.

On page 18, line 9, please replace "Figure 7" with --Figures 7A-7I--.

On page 18, line 12, please replace "Figure 8" with --Figures 8A-8I--.

On page 18, line 15, please replace "Figure 9" with --Figures 9A-9I--.

On page 18, line 26, please replace "Figure 11" with --Figures 11A-11D--.

On page 19, line 6, please delete the comma after "by".

On page 19, line 7, please replace "Figure 2" with --Figures 2A-2H--.

On page 19, line 7, please replace "7" with --Figures 7A-7I--.

On page 19, line 7, please replace "8" with --Figures 8A-8I--.

On page 19, line 7, please replace "9" with --Figures 9A-9I--.

On page 19, line 10, please replace "Figure 2" with --Figures 2A-2H--.

On page 19, line 10, please replace "7" with --Figures 7A-7I--.

On page 19, line 10, please replace "8" with --Figures 8A-8I--.

On page 19, line 10, please replace "9" with --Figures 9A-9I--.

On page 19, line 19, please replace "Figure 2" with --Figures 2A-2H--.

On page 19, line 19, please replace "7" with --Figures 7A-7I--.

On page 19, line 19, please replace "8" with --Figures 8A-8I--.

On page 19, line 20, please replace "9" with --Figures 9A-9I--.

On page 20, line 15, please insert --can be prepared-- after "protein".

On page 23, line 12, please replace "mannitol" with --mannitol--.

On page 23, line 17, please delete the comma after "salts".

On page 24, line 12, please replace "attenuated" with --attenuated--.

On page 27, line 16, please replace "The" with --Preferred--.

On page 28, line 6, please delete "also".

On page 28, line 26, please replace "a pathogenic" with --pathogenic--.

On page 31, line 2, please replace "**hemoglobin**" with --Hemoglobin--.

✓ On page 31, line 5, please replace "haemin" with --hemin--.

✓ On page 31, line 5, please replace "haemoglobin" with --hemoglobin--.

✓ On page 31, line 19, please replace "onselective" with --on selective--.

✓ On page 31, line 21, please replace "haemin" with --hemin--.

✓ On page 33, line 2, please replace "Chemicals" with --Chemical--.

✓ On page 33, line 13, please replace "Clalfragment" with --Clal fragment--.

✓ On page 35, line 11, please replace "Figure 2" with --Figures 2A-2H--.

✓ On page 35, line 19, please replace "Figure 2" with --Figures 2A-2H--.

✓ On page 36, line 5, please replace "fur-type" with --Fur-type--.

✓ On page 36, line 11, please replace "Figure 2" with --Figures 2A-2H--.

✓ On page 36, line 18, please replace "Figure 2" with --Figures 2A-2H--.

✓ On page 37, line 2, please replace "Figure 4" with --Figures 4A-4C--.

✓ On page 37, line 15, please insert a comma after "Postle".

✓ On page 38, line 12, please replace "Table 2" with --Table II--.

✓ On page 38, line 13, please replace "Table 2" with --Table II--.

✓ On page 39, line 16, please replace "our" with --the--.

✓ On page 39, line 16, please replace "probe ,," with --probe,--.

✓ On page 42, line 11, please replace "Figures 7" with --Figures 7A-7I--.

✓ On page 42, line 11, please replace "8" with --Figures 8A-8I--.

✓ On page 42, line 11, please replace "9" with --Figures 9A-9I--.

✓ On page 42, line 16, please replace "Figures 10" with --Figure 10--.

✓ On page 42, line 16, please replace "11" with --Figures 11A-11D--.

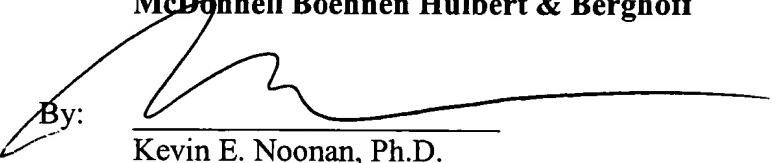
✓ On page 42, line 24, please replace "Figure 11" with --Figures 11A-11D--.

If the Examiner in charge of this application believes it to be helpful, she is invited to contact the undersigned attorney by telephone at (312) 913-0001.

Respectfully submitted,  
**McDonnell Boehnen Hulbert & Berghoff**

Date: September 16, 1999

By:

  
Kevin E. Noonan, Ph.D.  
Reg. No. 35,303